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NOTICE OF ALLOWANCE AND FEE(S) DUE

23389

7500

01/06/2011

SCULLY SCOTT MURPHY & PRESSER, PC 400 GARDEN CITY PLAZA SUITE 300 GARDEN CITY, NY 11530 EXAMINER

SAINT CYR, LEONARD

ART UNIT PAPER NUMBER

2626

DATE MAILED: 01/06/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,968	09/09/2003	Youngja Park	YOR920030241US1	3125

TITLE OF INVENTION: SYSTEM AND METHOD FOR DETERMINING AFFIXES OF WORDS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/06/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

ppropriate. All further adicated unless correcte agintenance fee notifica	correspondence including below or directed oth tions.	g the Patent, advance of terwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	naintenance fees w pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspo rate "FE	ndence address as E ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
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400 GARDEN C SUITE 300		PRESSER, PC		I her State addre trans	eby certify that this es Postal Service we essed to the Mail	is Fee(s ith suf Stop	s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the day	deposite t class m above, c	ed with the United ail in an envelope or being facsimile ated below.
GARDEN CITY	Y, NY 11530								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONFI	RMATION NO.
10/658,968 ITLE OF INVENTION	09/09/2003 SYSTEM AND METH	OD FOR DETERMININ	Youngja Park IG AFFIXES OF WOI	(16751)			3125		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		04/06/2011
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	3					
SAINT CYR	, LEONARD	2626	704-201000						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
PLEASE NOTE: Unl	less an assignee is identi h in 37 CFR 3.11. Comp	A TO BE PRINTED ON The street of the street	data will appear on th	he pa g an a	tent. If an assigned			ocument	has been filed for
lease check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	rporati	on or other private gro	up entity	Government
	are submitted: No small entity discount p # of Copies	permitted)	A check is enclos Payment by credi The Director is he	ed. t carc	d. Form PTO-2038	is atta	required fee(s), any de	iciency,	
_ ` .	tus (from status indicated is SMALL ENTITY statu	· · · · · · · · · · · · · · · · · · ·	☐ b. Applicant is no	long	er claiming SMAI	L ENT	ΓΙΤΥ status. See 37 CF	R 1.27(s	2)(2).
OTE: The Issue Fee an	d Publication Fee (if requ	uired) will not be accepted tes Patent and Trademark	d from anyone other th						
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Typed or printed name					•				
his collection of inform n application. Confiden ibmitting the completed iis form and/or suggesti ox 1450, Alexandria, V lexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th NOT SEND FEES OR (on is required to obtain 1.14. This collection i depending upon the i e Chief Information O COMPLETED FORM	or restindivi	etain a benefit by the mated to take 12 r idual case. Any co r, U.S. Patent and D'THIS ADDRESS	ne publ ninutes mment Traden . SENI	ic which is to file (and to complete, includin s on the amount of tir nark Office, U.S. Depa D TO: Commissioner f	by the Ug gatherine you restrained to the second terms of the seco	uspro to process) ng, preparing, and equire to complete f Commerce, P.O. ts, P.O. Box 1450,

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10/658,968	09/09/2003	Youngja Park	YOR920030241US1 (16751)	3125		
23389 75	90 01/06/2011		EXAM	INER		
SCULLY SCOT	Γ MURPHY & PRES	SAINT CYR, LEONARD				
400 GARDEN CIT	Y PLAZA		ART UNIT	PAPER NUMBER		
SUITE 300 GARDEN CITY, N	JV 11530		2626			
GARDEN CITT, NT 11350			DATE MAILED: 01/06/2011			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1260 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1260 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	10/658,968	PARK, YOUNGJA		
Notice of Allowability	Examiner	Art Unit		
	LEONARD SAINT CYR	2626		
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS	ears on the cover sheet with	the correspondence address		
herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	GHTS. This application is sul			
1. This communication is responsive to <u>10/25/10</u> .				
2. X The allowed claim(s) is/are <u>1 - 11, 13 - 15, 19 - 23, and 27</u>	<u>-30</u> .			
3. Acknowledgment is made of a claim for foreign priority ur	nder 35 U.S.C. § 119(a)-(d) or	(f).		
a) ☐ All b) ☐ Some* c) ☐ None of the:				
 Certified copies of the priority documents have 	been received.			
Certified copies of the priority documents have	been received in Application	No		
Copies of the certified copies of the priority do	cuments have been received i	n this national stage application from t	:he	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements	S	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			F	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.			
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or ir	the Office action of		
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in t				
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 Notice of Info	rmal Patent Application		
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sun	• •		
	Paper No./M	ail Date mendment/Comment		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	_			
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	_	miner's Statement of Reasons for Allowance		
	9.			

DETAILED ACTION

Allowable Subject Matter

1. Claims 1 -11, 13 – 15, 19 - 23, and 27 – 30 are allowed over the prior art made of record. The following is an examiner's statement of reasons for allowance:

As to claims 1 -11, 13 – 15, 19 - 23, and 27 – 30, neither Goldsmith nor Kanno nor Rizin nor Potter teach or suggest an affix process that determines one or more affixes of one or more words in one or more of the documents and provides the affixes to the system interface, said process comprising obtaining a collection of words, representing all of the words in the collection as Patricia trees to show visually morphological structures of the words to facilitate identifying potential candidates of prefixes and suffixes from the words in the collection, including using the words to construct first and second tries, each of the tries having a multitude of paths and a multitude of nodes, each of the nodes being connected to one or more of the other of the nodes, and compressing the first and second tries by compressing all unary paths on the tries to form a prefix Patricia tree and a suffix Patricia tree, including adding the words into the prefix Patricia Tree, using the prefix Patricia Tree to identify a set of candidate prefixes from the words in the collection, reversing each of the words, adding the reversed words into the suffix Patricia Tree, using the suffix Patricia Tree to identify a set of candidate suffixes from the words in the collection, refining the sets of candidate prefixes and suffixes to identify actual prefixes and suffixes, including using knowledge of prefixes previously identified in said refining to further refine the set of candidate

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suffixes, and using knowledge of suffixes previously identified in said refining to further refine the set of candidate prefixes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEONARD SAINT CYR whose telephone number is (571) 272-4247. The examiner can normally be reached on Mon- Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on (571) 272-7602. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LS 12/29/10 /Leonard Saint-Cyr/

Examiner, Art Unit 2626